

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

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1      1. (Currently Amended) A method of identifying a portion of computer program code as a  
2      candidate for a modification, said method comprising ~~the steps of~~ :  
3                      scanning and parsing source code corresponding to the computer program code  
4                      to determine static information concerning the computer program code;  
5                      storing the static information in a database;  
6      2  
7                      collecting dynamic information concerning the computer program code during an  
8                      execution of the computer program code;  
9                      storing the dynamic information in the database;  
10                      developing relationships and dependencies responsive to the static information  
11                      and dynamic information stored in database;  
12                      storing the relationships and dependencies in the database; and  
13                      providing for a query of the database to produce a set of potential candidates of  
                    computer program code meeting a constraint of the query.

1 2. (Original) The method of claim 1 wherein if insufficient candidates are returned by the  
2 query, then providing for a relaxing of the constraint, and a repetition of the query.

1 3. (Original) The method of claim 2 further comprising the step of identifying a portion of the  
2 computer program code as a candidate for re-implementation as a database stored procedure call.

1 4. (Currently Amended) A method of identifying a portion of computer program code as a  
2 candidate for a modification, said method comprising:  
3 scanning and parsing source code corresponding to the computer program code  
4 to determine static information concerning the computer program code;  
5 storing the static information in a database;  
6 collecting dynamic information concerning the computer program code during an  
7 execution of the computer program code;  
8 storing the dynamic information in the database;  
9 developing relationships and dependencies responsive to the static information  
10 and dynamic information stored in database;  
11 storing the relationships and dependencies in the database;  
12 providing for a query of the database to produce a set of potential candidates of  
13 computer program code meeting a constraint of the query. ~~The method of claim 3 wherein~~

14 the query searches the database for a portion of the computer program code having static  
15 information indicating that the portion of the computer program code contains a call to a  
16 database management system, and having dynamic information indicating that the portion  
17 of the computer program code is subject to a call by another portion of computer program  
18 code;

19 if insufficient candidates are returned by the query, then providing for a relaxing  
20 of the constraint, and a repetition of the query; and

21 identifying a portion of the computer program code as a candidate for re-  
22 implementation as a database stored procedure call.

1 5. (Original) The method of claim 4 wherein the query searches the database for a portion of  
2 the computer program code having static information indicating that the portion of the computer  
3 program code contains a number, above a specified first threshold, of calls to a database  
4 management system, and having dynamic information indicating that the portion of the computer  
5 program code is subject to a number of calls, above a specified second threshold, by another  
6 portion of computer program code.

1 6. (Currently Amended) The method of claim ~~4~~ 2 further comprising ~~the step of~~ identifying a  
2 portion of the computer program code as a candidate for re-implementation as a Web-enabling  
3 interface call.

1 7. (Original) The method of claim 6 wherein the query searches the database for a portion of  
2 the computer program code having static information indicating that the portion of the computer  
3 program code contains a transaction call.

1 8. (Original) The method of claim 7 wherein the query also searches the database for a portion  
2 of the computer program code having static information indicating that the portion of the  
3 computer program does not contain screen output related program code.

1 9. (Currently Amended) An article of manufacture for use in a computer system for identifying  
2 a portion of computer program code as a candidate for a modification, said article of  
3 manufacture comprising a computer-readable storage medium having a computer program  
4 embodied in said medium which causes the computer system to execute a method ~~comprising the~~  
5 ~~steps of:~~

6 scanning and parsing source code corresponding to the computer program code

7 to determine static information concerning the computer program code;

8 storing the static information in a database;

9 collecting dynamic information concerning the computer program code during an  
10 execution of the computer program code;

11 storing the dynamic information in the database;

12 developing relationships and dependencies responsive to the static information  
13 and dynamic information stored in database;

14 storing the relationships and dependencies in the database; and

15 providing for a query of the database to produce a set of potential candidates of  
16 computer program code meeting a constraint of the query.

1 10. (Original) The article of manufacture of claim 9 wherein if insufficient candidates are  
2 returned by the query, then providing for a relaxing of the constraint, and a repetition of the  
3 query.

1 11. (Original) The article of manufacture of claim 10 wherein the embodied computer program  
2 causes the computer system to execute the method step of identifying a portion of the computer  
3 program code as a candidate for re-implementation as a database stored procedure call.

1 12. (Currently Amended) An article of manufacture for use in a computer system for  
2 identifying a portion of computer program code as a candidate for a modification, said article of  
3 manufacture comprising a computer-readable storage medium having a computer program  
4 embodied in said medium which causes the computer system to execute a method comprising:  
5 scanning and parsing source code corresponding to the computer program code  
6 to determine static information concerning the computer program code;  
7 storing the static information in a database;  
8 collecting dynamic information concerning the computer program code during an  
9 execution of the computer program code;  
10 storing the dynamic information in the database;  
11 developing relationships and dependencies responsive to the static information  
12 and dynamic information stored in database;  
13 storing the relationships and dependencies in the database;  
14 providing for a query of the database to produce a set of potential candidates of  
15 computer program code meeting a constraint of the query ~~The article of manufacture of~~  
16 ~~claim 11~~ wherein the query searches the database for a portion of the computer program

code having static information indicating that the portion of the computer program code contains a call to a database management system, and having dynamic information indicating that the portion of the computer program code is subject to a call by another portion of computer program code;

if insufficient candidates are returned by the query, then providing for a relaxing of the constraint, and a repetition of the query; and  
identifying a portion of the computer program code as a candidate for re-implementation as a database stored procedure call.

13. (Original) The article of manufacture of claim 12 wherein the query searches the database for a portion of the computer program code having static information indicating that the portion of the computer program code contains a number, above a specified first threshold, of calls to a database management system, and having dynamic information indicating that the portion of the computer program code is subject to a number of calls, above a specified second threshold, by another portion of computer program code.

1 14. (Currently Amended) The article of manufacture of claim 12 wherein the embodied  
2 computer program causes the computer system to execute the method step of identifying a  
3 portion of the computer program code as a candidate for re-implementation as a Web-enabling  
4 interface call.

15. (Original) The article of manufacture of claim 14 wherein the query searches the database  
for a portion of the computer program code having static information indicating that the portion  
of the computer program code contains a transaction call.

16. (Original) The article of manufacture of claim 15 wherein the query also searches the  
database for a portion of the computer program code having static information indicating that the  
portion of the computer program does not contain screen output related program code.



1 17. (Original) A computer system for identifying a portion of computer program code as a  
2 candidate for a modification, said computer system comprising :  
3 a parser for scanning and parsing source code corresponding to the computer  
4 program code to determine static information concerning the computer program code;  
5 an execution monitor for collecting dynamic information concerning the computer  
6 program code during an execution of the computer program code;  
7 relationships and dependencies developed responsive to the static information and  
8 dynamic information;  
9 a database for storing the static information, the dynamic information, and the  
10 relationships and dependencies; and  
11 a query of the database to produce a set of potential candidates of computer  
12 program code meeting a constraint of the query.

1 18. (Original) The computer system of claim 17 wherein if insufficient candidates are returned  
2 by the query, then providing for a relaxing of the constraint, and a repetition of the query.

1 19. (Original) The computer system of claim 18 further comprising an identification of a  
2 portion of the computer program code as a candidate for re-implementation as a database stored  
3 procedure call.

1 20. (Currently Amended) A computer system for identifying a portion of computer program  
2 code as a candidate for a modification, said computer system comprising :

3 a parser for scanning and parsing source code corresponding to the computer  
4 program code to determine static information concerning the computer program code;

5 an execution monitor for collecting dynamic information concerning the computer  
6 program code during an execution of the computer program code;

7 relationships and dependencies developed responsive to the static information and  
8 dynamic information;

9 a database for storing the static information, the dynamic information, and the  
10 relationships and dependencies; and

11 a query of the database to produce a set of potential candidates of computer  
12 program code meeting a constraint of the query ~~The computer system of claim 19~~ wherein  
13 the query searches the database for a portion of the computer program code having static  
14 information indicating that the portion of the computer program code contains a call to a  
15 database management system, and having dynamic information indicating that the portion  
16 of the computer program code is subject to a call by another portion of computer program

17 code, and wherein if insufficient candidates are returned by the query, then providing for  
18 a relaxing of the constraint, and a repetition of the query; and  
19 a portion of the computer program code identified as a candidate for re-  
20 implementation as a database stored procedure call.

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1 21. (Original) The computer system of claim 20 wherein the query searches the database for a  
2 portion of the computer program code having static information indicating that the portion of the  
3 computer program code contains a number, above a specified first threshold, of calls to a  
4 database management system, and having dynamic information indicating that the portion of the  
5 computer program code is subject to a number of calls, above a specified second threshold, by  
6 another portion of computer program code.

1 22. (Currently Amended) The computer system of claim 20 ~~18~~ further comprising an  
2 identification of a portion of the computer program code as a candidate for re-implementation as  
3 a Web-enabling interface call.

- 1     23. (Original) The computer system of claim 22 wherein the query searches the database for a  
2     portion of the computer program code having static information indicating that the portion of the  
3     computer program code contains a transaction call.

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- 1     24. (Original) The computer system of claim 23 wherein the query also searches the database  
2     for a portion of the computer program code having static information indicating that  
3     the portion of the computer program does not contain screen output related program code.
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